

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): TSURUMI	Atty. Dkt.: 01-497
Serial No.: Unknown	Group Art Unit:
Filed: Concurrently herewith	Examiner:
Title: MAP DATA PRODUCTION SYSTEM FOR PROVIDING MAP DATA INCLUDING ROAD GRADE DATA	

Commissioner for Patents  
Arlington, VA 22202

Date: November 21, 2003

**INFORMATION DISCLOSURE STATEMENT**

Sir:

Pursuant to 37 C.F.R. §1.56, the reference(s) listed on the attached Form PTO-1449 is/are submitted for consideration by the Examiner without any admission that it/they constitute(s) statutory prior art, or without any admission that it/they contain(s) subject matter that anticipates the invention or renders the invention obvious to a person of ordinary skill in the art.

The Examiner is requested to initial the attached PTO Form-1449 and to return a copy of same to the undersigned attorney as proof that the listed reference(s) has/have been considered and made of record.

Respectfully submitted,



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FORM PTO-1449	ATTY. DKT NO.	01-497	SER. NO.
	APPLICANT	TSURUMI	
	FILING DATE	November 21, 2003	GROUP

## REFERENCE DESIGNATION

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS
		5,787,233	Jul. 28, 1998	Akimoto		

## FOREIGN PATENT DOCUMENTS

								TRANSLATION	
		DOCUMENT NUMBER	DATE	COUNTRY	NAME	CLASS	SUB CLASS	YES	NO
		JP-A-H10-267650 (Discussed I page 2 of the spec.)	10/9/98	JAPAN				X (Abstract)	
		JP-A-H08-247777	9/27/96	JAPAN				X (Abstract)	
		JP-A-H08-304069	11/22/96	JAPAN				X (Abstract)	
		JP-A-2001-50743	2/23/01	JAPAN				X (Abstract)	

\* Full English text is available in machine-translated form in JPO (Japanese Patent Office) English language web site at <http://www1.ipdl.jpo.go.jp/PA1/cgi-bin/PA1INDEX>.

## OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

EXAMINER		DATE CONSIDERED